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Sequence Listing

<110> Sode, Koji

<120> Glucose Dehydrogenase

<130> psd9009W0

<150> JP 2003-71744

<151> 2003-03-17

<150> JP 2002-172955

<151> 2002-06-13

<160> 19

<210> 1

<211> 454

<212> PRT

<213> Acinetobacter calcoaceticus

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 35 40 45
 Lys Ile Leu Arg Val Asn Pro Glu Ser Gly Ser Val Lys Thr Val Phe
 50 55 60
 Gln Val Pro Glu Ile Val Asn Asp Ala Asp Gly Gln Asn Gly Leu Leu
 65 70 75 80
 Gly Phe Ala Phe His Pro Asp Phe Lys Asn Asn Pro Tyr Ile Tyr Ile
 85 90 95
 Ser Gly Thr Phe Lys Asn Pro Lys Ser Thr Asp Lys Glu Leu Pro Asn
 100 105 110
 Gln Thr Ile Ile Arg Arg Tyr Thr Tyr Asn Lys Ser Thr Asp Thr Leu

115	120	125	
Glu Lys Pro Val Asp Leu Leu Ala Gly Leu Pro Ser Ser Lys Asp His			
130	135	140	
Gln Ser Gly Arg Leu Val Ile Gly Pro Asp Gln Lys Ile Tyr Tyr Thr			
145	150	155	160
Ile Gly Asp Gln Gly Arg Asn Gln Leu Ala Tyr Leu Phe Leu Pro Asn			
165	170	175	
Gln Ala Gln His Thr Pro Thr Gln Gln Glu Leu Asn Gly Lys Asp Tyr			
180	185	190	
His Thr Tyr Met Gly Lys Val Leu Arg Leu Asn Leu Asp Gly Ser Ile			
195	200	205	
Pro Lys Asp Asn Pro Ser Phe Asn Gly Val Val Ser His Ile Tyr Thr			
210	215	220	
Leu Gly His Arg Asn Pro Gln Gly Leu Ala Phe Thr Pro Asn Gly Lys			
225	230	235	240
Leu Leu Gln Ser Glu Gln Gly Pro Asn Ser Asp Asp Glu Ile Asn Leu			
245	250	255	
Ile Val Lys Gly Gly Asn Tyr Gly Trp Pro Asn Val Ala Gly Tyr Lys			
260	265	270	
Asp Asp Ser Gly Tyr Ala Tyr Ala Asn Tyr Ser Ala Ala Ala Asn Lys			
275	280	285	
Ser Ile Lys Asp Leu Ala Gln Asn Gly Val Lys Val Ala Ala Gly Val			
290	295	300	
Pro Val Thr Lys Glu Ser Glu Trp Thr Gly Lys Asn Phe Val Pro Pro			
305	310	315	320
Leu Lys Thr Leu Tyr Thr Val Gln Asp Thr Tyr Asn Tyr Asn Asp Pro			
325	330	335	
Thr Cys Gly Glu Met Thr Tyr Ile Cys Trp Pro Thr Val Ala Pro Ser			
340	345	350	
Ser Ala Tyr Val Tyr Lys Gly Gly Lys Lys Ala Ile Thr Gly Trp Glu			

355	360	365
Asn Thr Leu Leu Val Pro Ser Leu Lys Arg Gly Val Ile Phe Arg Ile		
370	375	380
Lys Leu Asp Pro Thr Tyr Ser Thr Thr Tyr Asp Asp Ala Val Pro Met		
385	390	395
Phe Lys Ser Asn Asn Arg Tyr Arg Asp Val Ile Ala Ser Pro Asp Gly		
405	410	415
Asn Val Leu Tyr Val Leu Thr Asp Thr Ala Gly Asn Val Gln Lys Asp		
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Asp Gly Ser Val Thr Asn Thr Leu Glu Asn Pro Gly Ser Leu Ile Lys		
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Phe Thr Tyr Lys Ala Lys		

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<211> 1612

<212> DNA

<213> *Acinetobacter calcoaceticus*

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<210> 3

<211> 7

<212> PRT

<213> *Acinetobacter calcoaceticus*

<220>

<221> UNSURE

<222> 4

<223> Xaa is Met or Trp

<400> 3

Cys Gly Glu Xaa Thr Tyr Ile

<210> 4

<211> 7

<212> PRT

<213> *Acinetobacter calcoaceticus*

<220>

<221> UNSURE

<222> 4

<223> Xaa is Asp, Lys, Ile or Asn

<400> 4

Gly Glu Met Xaa Tyr Ile Cys

<210> 5

<211> 7

<212> PRT

<213> Acinetobacter calcoaceticus

<400> 5

Glu Met Thr Asp Ile Cys Trp

<210> 6

<211> 7

<212> PRT

<213> Acinetobacter calcoaceticus

<400> 6

Met Thr Tyr Asp Cys Trp Pro

<210> 7

<211> 7

<212> PRT

<213> Acinetobacter calcoaceticus

<400> 7

Thr Tyr Ile Arg Trp Pro Thr

<210> 8

<211> 7

<212> PRT

<213> Acinetobacter calcoaceticus

<400> 8

Pro Thr Val Pro Pro Ser Ser

<210> 9

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> primer for point mutation

<400> 9

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<210> 10

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> primer for point mutation

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<211> 32

<212> DNA

<213> Artificial Sequence

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<212> DNA

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<223> primer for point mutation

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<211> 21

<212> DNA

<213> Artificial Sequence

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<223> primer for point mutation

<400> 17

ctgttggcca gcaaattgtag g 21

<210> 18

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> primer for point mutation

<400> 18

gcagatgacg gtggaactgt tggc 24

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